

..(FILE 'HOME' ENTERED AT 14:07:51 ON 23 JUL 2004)

FILE 'REGISTRY' ENTERED AT 14:07:58 ON 23 JUL 2004

L1 0 S ONDDANSETRON HYDROCHLORIDE/CN  
L2 0 S ONDDANSETRON/CN  
L3 1 S ONDANSETRON HYDROCHLORIDE/CN

FILE 'CAPLUS' ENTERED AT 14:09:15 ON 23 JUL 2004

L4 22 S 99614-01-4/PREP  
L5 12 S 99614-01-4/PROC  
L6 0 S 99614-01-4/PUR  
L7 33 S L4 OR L5  
L8 1 S L7 AND POLYMORPH?  
L9 0 S L8 AND ALCOHOL

=>

=> s-ondansetron hydrochloride/cn  
L3 1 ONDANSETRON HYDROCHLORIDE/CN

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 99614-01-4 REGISTRY  
CN 4H-Carbazol-4-one, 1,2,3,9-tetrahydro-9-methyl-3-[(2-methyl-1H-imidazol-1-yl)methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GR 38032F  
CN NSC 665799  
CN Ondansetron hydrochloride

CN SN 307  
DR 110204-46-1, 110707-92-1

MF C18 H19 N3 O . Cl H

CI COM

SR CA

LC STN Files: ADISNEWS, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHEM, DIOGENES, EMBASE, IMSPATENTS, IMSRESEARCH, MRCK\*, PHAR, PROMT, PS, RTECS\*, TOXCENTER, USPAT2, USPATFULL

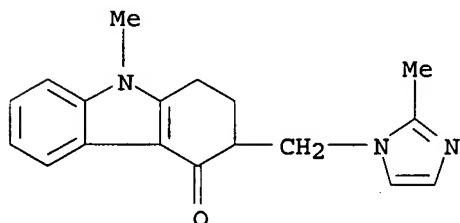
(\*File contains numerically searchable property data)

DT.CA Cplus document type: Conference; Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)

CRN (99614-02-5)



● HCl

193 REFERENCES IN FILE CA (1907 TO DATE)

193 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

=> S-99614-01-4/prep  
193 99614-01-4  
3174790 PREP/RL  
L4 22 99614-01-4/PREP  
(99614-01-4 (L) PREP/R

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=> s 99614-01-4/proc
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          3525249 PROC/RL
L5      12 99614-01-4/PROC
          (99614-01-4 (L) PROC/RL)
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=> s 99614-01-4/pur  
193 99614-01-4  
196611 PUR/RL  
L6 0 99614-01-4/PUR  
(99614-01-4 (L) PUR/RL)

=> s 14 or 15  
L7 33 L4 OR L5

=> S 17 and polymorph?  
153778 POLYMORPH?  
L8 1 L7 AND POLYMORPH?

=> s 18 and alcohol  
214295 ALCOHOL  
L9 0 L8 AND ALCOHOL

=> d 18 ibib abs hitstr

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2002:353422 CAPLUS  
DOCUMENT NUMBER: 136:374797  
TITLE: Preparation of crystal and solvate forms of ondansetron hydrochloride for use as antiemetics  
INVENTOR(S): Lidor-Hadas, Ramy; Aronhime, Judith; Lifshitz, Revital; Weizel, Shlomit; Niddam, Valerie  
PATENT ASSIGNEE(S): Teva Pharmaceutical Industries Ltd., Israel; Teva Pharmaceuticals USA, Inc.  
SOURCE: PCT Int. Appl., 46 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002036558	A2	20020510	WO 2001-US48720	20011030
WO 2002036558	A3	20030206		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002030935	A5	20020515	AU 2002-30935	20011030
US 2002107275	A1	20020808	US 2001-16752	20011030
EP 1339707	A2	20030903	EP 2001-991193	20011030
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
NO 2003001928	A	20030627	NO 2003-1928	20030429
PRIORITY APPLN. INFO.:			US 2000-244283P	P 20001030
			US 2000-253819P	P 20001129

AB The present invention provides novel ondansetron hydrochloride crystalline polymorphic forms and solvates. Processes for making and interconverting the polymorphic forms are also provided. Further, pharmaceutical compns. containing the novel polymorphic forms and hydrates for treating nausea and/or vomiting are described. For example, ondansetron base (400 mg) was suspended in 16 mL of a 1:1 mixture of ethanol and isopropanol at room temperature and the suspension was heated to reflux to dissolve the ondansetron. After 20 min of stirring at reflux, an ethanolic solution containing 1.1 equiv of HCl was added. The reaction mixture was stirred at this temperature for an addnl. 10 min. Evaporation of the solvent gave ondansetron hydrochloride Form A.

IT 99614-01-4P, Ondansetron hydrochloride

RL: PNU (Preparation, unclassified); PRP (Properties); RCT (Reactant); THU

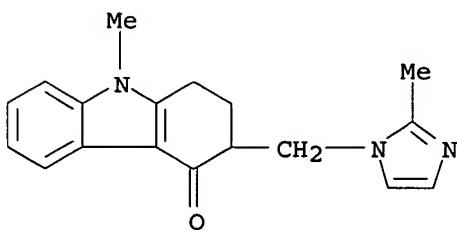
(Therapeutic use); BIOL (Biological study); PREP (Preparation);

RACT (Reactant or reagent); USES (Uses)

(preparation of crystal and solvate forms of ondansetron hydrochloride for use as antiemetics)

RN 99614-01-4 CAPLUS

CN 4H-Carbazol-4-one, 1,2,3,9-tetrahydro-9-methyl-3-[(2-methyl-1H-imidazol-1-yl)methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

## Refine Search

### Search Results -

Terms	Documents
L4 and xylene	0

**Database:**  
US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**

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### Search History

**DATE:** Friday, July 23, 2004 [Printable Copy](#) [Create Case](#)

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side by side			result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<u>L5</u>	L4 and xylene	0	<u>L5</u>
<u>L4</u>	L3 and alcohol	11	<u>L4</u>
<u>L3</u>	L2 and polymorph	12	<u>L3</u>
<u>L2</u>	ondansetron hydrochloride	196	<u>L2</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L1</u>	4695578.pn. or 5344658.pn.	2	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

<a href="#">Clear</a>	<a href="#">Generate Collection</a>	<a href="#">Print</a>	<a href="#">Fwd Refs</a>	<a href="#">Bkwd Refs</a>
<a href="#">Generate OACS</a>				

### Search Results - Record(s) 1 through 10 of 11 returned.

1. Document ID: US 20040087007 A1

L4: Entry 1 of 11

File: PGPB

May 6, 2004

PGPUB-DOCUMENT-NUMBER: 20040087007

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040087007 A1

TITLE: System and method for optimizing tissue barrier transfer of compounds

PUBLICATION-DATE: May 6, 2004

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Cima, Michael J.	Winchester	MA	US	
Chen, Hongming	Acton	MA	US	
Gyory, J. Richard	Sudbury	MA	US	
Lemmo, Anthony V.	Sudbury	MA	US	

US-CL-CURRENT: 435/287.1

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KWC</a>	<a href="#">Drawn D</a>
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2. Document ID: US 20040058915 A1

L4: Entry 2 of 11

File: PGPB

Mar 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040058915

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040058915 A1

TITLE: Compounds containing a bicyclic ring system useful as alpha v beta 3 antagonists

PUBLICATION-DATE: March 25, 2004

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Khanna, Ish Kumar	Libertyville	IL	US	
Yu, Yi	Glenview	IL	US	
Balekudra, Devadas	Chesterfield	MO	US	

Lu, Hwang-Fun	Ballwin	MO	US
Chandrakumar, Nizal S.	Vernon Hills	IL	US

US-CL-CURRENT: 514/224.2; 514/230.5, 514/248, 514/249, 514/266.1, 514/307, 514/311,  
514/367, 514/375, 514/394, 514/406, 514/415, 544/105, 544/235, 544/283, 544/353,  
544/51, 546/176, 548/152, 548/217, 548/304.4, 548/495

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

3. Document ID: US 20040019093 A1

L4: Entry 3 of 11

File: PGPB

Jan 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040019093

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040019093 A1

TITLE: Novel crystal forms of ondansetron, processes for their preparation, pharmaceutical compositions containing the novel forms and methods for treating nausea using them

PUBLICATION-DATE: January 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Aronhime, Judith	Rehovot		IL	
Molnar, Sandor	Debrecen		HU	
Szabo, Csaba	Debrecen		HU	
Meszaros Sos, Erzsebet	Debrecen		HU	
Salyi, Szabolcs	Debrecen		HU	
Tamas, Tivadar	Debrecen		HU	

US-CL-CURRENT: 514/397; 548/311.4

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

4. Document ID: US 20030223998 A1

L4: Entry 4 of 11

File: PGPB

Dec 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030223998

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030223998 A1

TITLE: Targeted immunotherapy of acute lymphoblastic leukemia (ALL)

PUBLICATION-DATE: December 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
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Lamb, Lawrence S. JR.	Columbia	SC	US
Musk, Philip	Baltimore	MD	US

US-CL-CURRENT: 424/155.1; 424/93.7, 435/6, 435/7.23, 530/388.8, 536/23.2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn](#) | [Des](#)

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5. Document ID: US 20030170610 A1

L4: Entry 5 of 11

File: PGPB

Sep 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030170610  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030170610 A1

TITLE: System and method for optimizing tissue barrier transfer of compounds

PUBLICATION-DATE: September 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Cima, Michael J.	Winchester	MA	US	
Chen, Hongming	Arlington	MA	US	
Gyory, J. Richard	Sudbury	MA	US	

US-CL-CURRENT: 435/4; 435/283.1, 435/288.4, 435/297.5

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn](#) | [Des](#)

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6. Document ID: US 20030068614 A1

L4: Entry 6 of 11

File: PGPB

Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030068614  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030068614 A1

TITLE: Transdermal assay with magnetic clamp

PUBLICATION-DATE: April 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Cima, Michael J.	Winchester	MA	US	
Chen, Hongming	Acton	MA	US	
Gyory, J. Richard	Sudbury	MA	US	

US-CL-CURRENT: 435/4; 435/283.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn D.
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7. Document ID: US 20020150624 A1

L4: Entry 7 of 11

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150624

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020150624 A1

TITLE: Pharmaceutical composition for oral use with improved absorption

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Watanabe, Shunsuke	Shizuoka		JP	
Takemura, Shigeo	Shizuoka		JP	
Tsutsui, Yuuki	Shizuoka		JP	
Kondo, Hiromu	Shizuoka		JP	
Nakanishi, Kiyo	Shizuoka		JP	
Sako, Kazuhiro	Shizuoka		JP	
Sawada, Toyohiro	Shizuoka		JP	

US-CL-CURRENT: 424/487; 424/465

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn D.
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8. Document ID: US 20020072518 A1

L4: Entry 8 of 11

File: PGPB

Jun 13, 2002

PGPUB-DOCUMENT-NUMBER: 20020072518

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020072518 A1

TITLE: Bicyclic alphavbeta3 antagonists

PUBLICATION-DATE: June 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Khanna, Ish Kumar	Libertyville	IL	US	
Yu, Yi	Glenview	IL	US	
Devadas, Balekudru	Chesterfield	MO	US	
Lu, Hwang-Fun	Ballwin	MO	US	
Chandrakumar, Nizal S.	Vernon Hills	IL	US	
Huff, Renee M.	Park Ridge	IL	US	
Desai, Bipinchandra N.	Vernon Hills	IL	US	

Nagarajan, Srinivasan Raj

Chesterfield MO US

US-CL-CURRENT: 514/217.03; 514/319, 514/320, 514/422, 514/520, 514/561, 514/562,  
514/580, 514/595, 514/603, 514/619[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUMC](#) | [Drawn D](#) 9. Document ID: US 20020028240 A1

L4: Entry 9 of 11

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020028240

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020028240 A1

TITLE: Timed-release compression-coated solid composition for oral administration

PUBLICATION-DATE: March 7, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawada, Toyohiro	Fujieda-shi		JP	
Sako, Kazuhiro	Yaizu-shi		JP	
Yoshioka, Tatsunobu	Yaizu-shi		JP	
Watanabe, Shunsuke	Fujieda-shi		JP	

US-CL-CURRENT: 424/472; 514/215[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUMC](#) | [Drawn D](#) 10. Document ID: US 20020025509 A1

L4: Entry 10 of 11

File: PGPB

Feb 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020025509

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020025509 A1

TITLE: System and method for optimizing tissue barrier transfer of compounds

PUBLICATION-DATE: February 28, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Cima, Michael J.	Winchester	MA	US	
Chen, Hongming	Arlington	MA	US	
Gyory, J. Richard	Sudbury	MA	US	

US-CL-CURRENT: 435/4; 435/287.1, 435/288.4

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### Search Results - Record(s) 11 through 11 of 11 returned.

11. Document ID: US 6758099 B2

L4: Entry 11 of 11

File: USPT

Jul 6, 2004

US-PAT-NO: 6758099

DOCUMENT-IDENTIFIER: US 6758099 B2

TITLE: System and method for optimizing tissue barrier transfer of compounds

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Terms	Documents
L3 and alcohol	11

Display Format:

[Previous Page](#)   [Next Page](#)   [Go to Doc#](#)